

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An array, comprising:

a plurality of light emitting devices disposed over a substrate, the substrate having an upper surface and a plurality of side surfaces, each of the side surfaces being substantially perpendicular to the upper surface; and

a photodetector at least one photodetector arranged on one of said side surfaces that detects light emitted ~~through the substrate~~ from the light emitting devices.

2. (Currently Amended) The array of claim 1, wherein ~~the substrate has an upper surface~~, and the plurality of light emitting devices are formed over the upper surface of the substrate.

3-6. (Cancelled.)

7. (Currently Amended) The array of ~~claim 5~~ claim 1, further comprising at least one additional photodetector wherein the substrate has an upper surface, and the plurality of photodetectors are formed over outer periphery edges of the upper surface.

8. (Original) The array of claim 1, further comprising a feedback circuit that measures a brightness level for each of the plurality of light emitting devices, and varies a voltage applied to individual ones of the light emitting devices to maintain a brightness level of each of the light emitting devices at a substantially constant level.

9-11. (Cancelled)

12. (Original) The array of claim 8, wherein the feedback circuit includes a compensation factor generator for generating a compensation factor for each of the plurality of light emitting devices and a memory array for storing the compensation factor for each of the plurality of light emitting devices.

13. (Original) A display comprising the array of claim 1.

14. (Currently Amended) A method for forming an array, comprising:

forming a plurality of light emitting devices disposed over a substrate, said substrate having an upper surface and at least one side surface substantially perpendicular to said upper surface of the substrate; and

forming a photodetector that detects light emitted through the least one side surface of the substrate from the light emitting devices.

15. (Currently Amended) The method of claim 14, further comprising forming ~~the substrate with an upper surface, and forming the plurality of light emitting devices over the upper surface of the substrate.~~

16. (Currently Amended) The method of ~~claim 15~~ claim 14, further comprising forming the substrate with a side surface substantially perpendicular to the upper surface, and forming the photodetector on the side surface of the substrate.

17. (Original) The method of claim 15, wherein the photodetector includes a plurality of photodetectors.

18. (Currently Amended) The method of claim 17, further comprising forming ~~the substrate with an upper surface and a plurality of side surfaces, each of the side surfaces~~

~~being substantially perpendicular to the upper surface, and forming at least one of the photodetectors on each of the side surfaces.~~

19. (Cancelled.)

20. (Original) The method of claim 14, further comprising forming a feedback circuit that measures a brightness level for each of the plurality of light emitting devices, and varies a voltage applied to individual ones of the light emitting devices to maintain a brightness level of each of the light emitting devices at a substantially constant level.

21. (Original) The method of claim 20, further comprising forming the feedback circuit with a compensation factor generator for generating a compensation factor for each of the plurality of light emitting devices and a memory array for storing the compensation factor for each of the plurality of light emitting devices.

22. (Currently Amended) A method for maintaining a substantially constant brightness in a plurality of light emitting devices disposed over ~~the~~ an upper surface of a substrate in an array, comprising:

measuring light emitted ~~through the substrate~~ from each of the light emitting devices by a photodetector formed on a side surface of the substrate, said side surface substantially perpendicular to the upper surface of said substrate; and

varying the voltage level applied to each of the light emitting devices to maintain a substantially constant brightness level of light emitted from the light emitting devices.

23. (Cancelled.)

24. (Currently Amended) The method of claim 22, wherein further comprising measuring the light emitted through the substrate ~~comprises by~~ measuring the light with [[a]] an additional photodetector disposed on the upper surface of the substrate.

25. (Cancelled.)

26. (Currently Amended) The method of claim 22, wherein measuring the light emitted through the substrate further comprises measuring the light with a plurality of photodetectors formed over outer periphery edges of the upper surface of the substrate.

27. (Currently Amended) The method of claim 22, wherein varying the voltage level applied to each of the light emitting devices further comprises generating a compensation factor for each of the light emitting devices and applying the compensation factor to a voltage applied to the corresponding light emitting device.